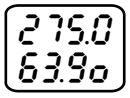
16A Series Programming Flow Chart

The Home Display

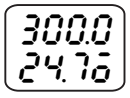
Is the Manual light on?

◇? Yes ► 

Press ▲ or ▼ to change the output value for SP1.
To save the value press ↵. Press ⟲ to goto the next item.

No ▼

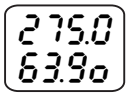
Is the control equipped with a second setpoint?

◇? Yes ► 

Press ▲ or ▼ to change the output value for SP2.
To save the value press ↵. Press ⟲

No ▼

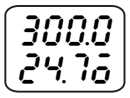
Is PCTO (Secondary Menu) on?

◇? Yes ► 

Press ⟲ to go to the next item.

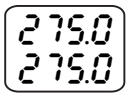
No ▼

Is the control equipped with a second set point?

◇? Yes ► 

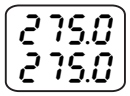
To save the value press ↵. Press ⟲

No ▼



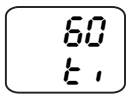
The home display shows the input value (**P**rocess **V**ariable) on the top display and the Set Point (**S**et **V**ariable) on the bottom display. To reset an alarm press ▼ and ⟲.

The Primary Menu



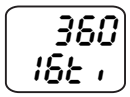
At the Home Display press ⟲ to go to the next item.

Is the Prog item on and the Status item turned on in the Secondary Menu?

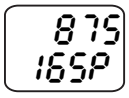
◇? Yes ► 

Display shows time remaining for current segment.
Press ⟲ to go to the next item.

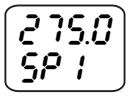
No ▼



Display shows total time and segment number.
Press ⟲ to go to the next item.



Display shows segment set point and segment number.
Press ⟲ to go to the next item.



Press ▲ or ▼ to change the value for SP1.
To save the value press. ↵ Press ⟲ to go to the next item.

Is the control equipped with a second set point?

◇? Yes ► 

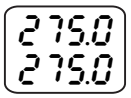
Press ▲ or ▼ to change the value for SP2.
To save the value press ↵. Press ⟲ to go to the next item.

No ▼

End of the Primary Menu. See next page for Secondary Menu.

16A Series Programming Flow Chart

The Secondary Menu

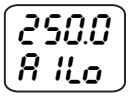


At the Home Display press ▲ and ↵ .

Is the control equipped with alarms?

? Yes ► Is the low alarm enabled for alarm 1 in the Secure Menu?

No ▼

? Yes ► 

No ▼

Press ▲ or ▼ to change the value for A1Lo.
To save the value press ↵. Press ↻ to go to the next item.

Is the high alarm enabled for alarm 1 in the Secure Menu?

? Yes ► 

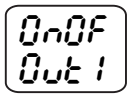
No ▼

Press ▲ or ▼ to change the value for A1Hi.
To save the value press ↵. Press ↻ to go to the next item.

Is the SP1 of the control equipped with on-off type output (relay, logic, or SSR)?

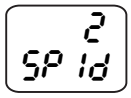
? Yes ► Do you want simple on-off function?

No ▼

? Yes ► 

No ▼

Press ▲ or ▼ to change the value for Out1 to OnOF.
To save the value press ↵. Press ↻ to go to the next item.



Press ▲ or ▼ to change the value for SP1d (1 to full scale).
To save the value press ↵. Press ↻ to go to the next item.

Does the control have a relay output on SP1?

? Yes ► 

No ▼

Press ▲ or ▼ to change the value for Out1 (2 to 80 seconds).
To save the value press ↵. Press ↻ to go to the next item.

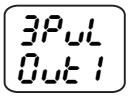
Does the control have a pulsed DC or solid state relay output on SP1?

? Yes ► 

No ▼

Press ▲ or ▼ to change the value for Out1 to 1tP.
To save the value press ↵. Press ↻ to go to the next item.

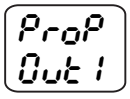
Is the output on SP1 controlling a solenoid for cooling?

? Yes ► 

No ▼

Press ▲ or ▼ to change the value for Out1 from 1PuL to 7PuL.
To save the value press ↵. Press ↻ to go to the next item.

There are no more choices for this setting. Please review and select one of the items above.



Indicates control SP1 is programmed for 0 to 20 mA proportional output. Menu Item can not be changed. See S1OL and S1OH for 4 to 20 mA programming,

Continued...

16A Series Programming Flow Chart

The Secondary Menu (Continued)

Is the control equipped with SP2 and with an on-off type output (relay, logic, or SSR)?

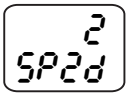
? Yes ► Do you want simple on-off function?

No ▼

? Yes ► 

No ▼

Press ▲ or ▼ to change the value for Out2 to OnOF.
To save the value press ↵. Press ↻ to go to the next item.



Press ▲ or ▼ to change the value for SP2d (1 to full scale).
To save the value press ↵. Press ↻ to go to the next item.

Does the control have a relay output onSP2?

? Yes ► 

No ▼

Press ▲ or ▼ to change the value for Out2 (2 to 80 seconds).
To save the value press ↵. Press ↻ to go to the next item.

Does the control have a logic or solid state relay output on SP2?

? Yes ► 

No ▼

Press ▲ or ▼ to change the value for Out2 to1tP.
To save the value press ↵. Press ↻ to go to the next item.

Is the output on SP2 controlling a solenoid for cooling?

? Yes ► 

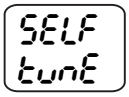
No ▼

Press ▲ or ▼ to change the value for Out2 from 1PuL to 7PuL.
To save the value press ↵. Press ↻ to go to the next item.

There are no more choices for this setting. Please review and select one of the items above.

Indicates control SP2 is programmed for 0 to 20mA proportional output. Menu Item can not be changed. See S2OL and S2OH for 4 to 20 mA programming.

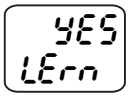
Do you want to use Self Tune?

? Yes ► 

No ▼

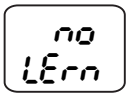
Press ▲ or ▼ to select Self Tune.
To save the value press ↵. Press ↻ to go to the next item.

Do you want to start the Self Tune function now?

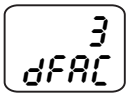
? Yes ► 

No ▼

Press ▲ or ▼ to select yes.
To save the value press ↵. Press ↻ to go to the next item.



Press ▲ or ▼ to select no.
To save the value press ↵. Press ↻ to go to the next item.



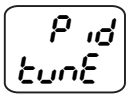
Press ▲ or ▼ to select the damping factor from off to 7.
To save the value press ↵. Press ↻ to go to the next item.

Continued...

16A Series Programming Flow Chart

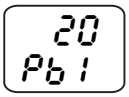
The Secondary Menu (Continued)

Do you want to manually tune the process?

? Yes ► 

No ▼

Press ▲ or ▼ to select PID Tune.
To save the value press ↵. Press ⟲ to go to the next item.



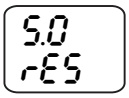
Press ▲ or ▼ to select the desired value.
To save the value press ↵. Press ⟲ to go to the next item.

Is the control equipped with a second set point?

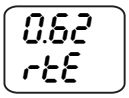
? Yes ► 

No ▼

Press ▲ or ▼ to select the desired value.
To save the value press ↵
Press ⟲ to go to the next item.

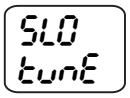


Press ▲ or ▼ to select the desired value.
To save the value press ↵. Press ⟲ to go to the next item.



Press ▲ or ▼ to select the desired value.
To save the value press ↵ Press ⟲ to go to the next item.

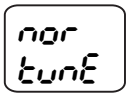
Do you want to select the tuning preset for a slow process?

? Yes ► 

No ▼

Press ▲ or ▼ to select the slow process tuning preset.
To save the value press ↵. Press ⟲ to go to the next item.

Do you want to select the tuning preset for a normal speed process?

? Yes ► 

No ▼

Press ▲ or ▼ to select the normal tuning preset.
To save the value press ↵. Press ⟲ to go to the next item.

Do you want to select the tuning for a fast process?

? Yes ► 

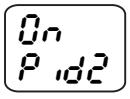
No ▼

Press ▲ or ▼ to select fast tuning preset.
To save the value press ↵. Press ⟲ to go to the next item.

Is the control equipped with SP2?

? Yes ► Do you wish to link the SP1 reset and rate settings to SP2?

No ▼

? Yes ► 

No ▼

Press ▲ or ▼ to select on.
To save the value press ↵. Press ⟲ to go to the next item.

Press ▲ or ▼ to select off.
To save the value press ↵. Press ⟲ to go to the next item.

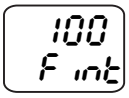
Press ▲ or ▼ to turn Anti-Reset Windup On or OFF.
To save the value press ↵. Press ⟲ to go to the next item.

Press ▲ or ▼ to select approach rate from off to 99.99 minutes.
To save the value press ↵. Press ⟲ to go to the next item.

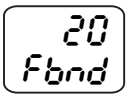
Continued...

16A Series Programming Flow Chart

The Secondary Menu (Continued)

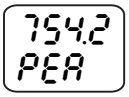


Press ▲ or ▼ to select fuzzy intensity from 0% (off) to 100% (full on).
To save the value press ↵. Press ↻ to go to the next item.

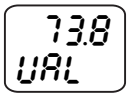


Press ▲ or ▼ to select fuzzy bandwidth from 0 to 4000.
To save the value press ↵. Press ↻ to go to the next item.

Press ▲ or ▼ to select fuzzy rate of change from 0.00 to 99.99 counts per second.
To save the value press ↵. Press ↻ to go to the next item.

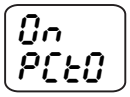


Displays highest value detected on the input since last reset or power on.
To reset the value press ↵. Press ↻ to go to the next item.



Displays lowest value detected on the input since last reset or power on.
To reset the value press ↵. Press ↻ to go to the next item.

Do you want to display the percentage of output on the Home display?

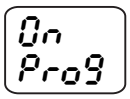
? Yes ► 

No ▼

Press ▲ or ▼ to selecton.
To save the value press ↵. Press ↻ to go to the next item.

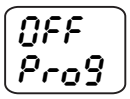
Press ▲ or ▼ to select off.
To save the value press ↵. Press ↻ to go to the next item.

Do you want to enable the ramp soak function?

? Yes ► 

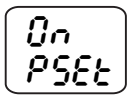
No ▼

Press ▲ or ▼ to select on.
To save the value press ↵. Press ↻ to go to the next item.



Press ▲ or ▼ to select off.
To save the value press ↵. Press ↻ to go to the next item.

Do you want to access the ramp soak function menu items?

? Yes ► 

No ▼

Press ▲ or ▼ to select on.
To save the value press ↵. Press ↻ to go to the next item.
Because of the complexity of the ramp soak functions, they are listed at the end of the chart. If PSEt i s On, proceed to Ramp/Soak Section.

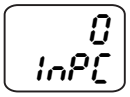
Press ▲ or ▼ to select off.
To save the value press ↵. Press ↻ to go to the next item.

Continued...

16A Series Programming Flow Chart

The Secondary Menu (Continued)

Do you need to adjust the Temperature display (PV) to match an external reference?

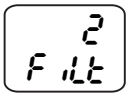
? Yes ► 

No ▼

Press ▲ or ▼ to add or subtract the amount needed to match your reference. To save the value press ↵. Press ⟲ to go to the next item.

Press ⟲ to go to the next item.

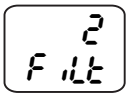
Does the temperature display (PV) seem unstable (moves quickly from digit to digit)?

? Yes ► 

No ▼

Press ▲ to decrease the display sensitivity (increase the filter constant). To save the value press ↵. Press ⟲ to go to the next item.

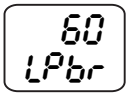
Does the temperature display (PV) seem sluggish?

? Yes ► 

No ▼

Press ▼ to decrease the display sensitivity (decrease the filter constant). To save the value press ↵. Press ⟲ to go to the next item.

Do you wish to enable the loop break function?

? Yes ► 

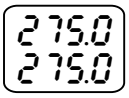
No ▼

Press ▼ to set the time for the Loop Break function from 1 to 9999 seconds. To save the value press ↵. Press ⟲ to go to the next item.

End of the Secondary Menu. See next page for Secure Menu.

16A Series Programming Flow Chart

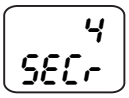
The Secure Menu



At the Home Display press ▲ and ↵. Hold both keys in for at least five seconds. Remember that all outputs are turned off while you are in the Secure Menu.

Do you need to change the Security Access Code?

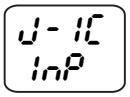
? Yes ►



Press ▲ or ▼ to select the correct password for the level desired. To save the value press ↵. Press ⟲ to go to the next item.

No ▼

Press ⟲ to go to the next item.



Press ▲ or ▼ to select the input type desired. To save the value press ↵. Press ⟲ to go to the next item.

Have you selected a current or voltage input?

? Yes ► Does your input start above zero?

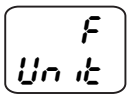
No ▼

? Yes ►

Press ▲ or ▼ to select 20% input zero suppression. To save the value press ↵. Press ⟲ to go to the next item.

No ▼

Press ▲ or ▼ to select zero based input. To save the value press ↵. Press ⟲ to go to the next item.



Press ▲ or ▼ to select display in ˚F, ˚C, or none. To save the value press ↵. Press ⟲ to go to the next item.

Press ▲ or ▼ to select desired decimal point position. To save the value press ↵. Press ⟲ to go to the next item.

Do you want the outputs disabled if the sensor fails for a certain amount of time?

? Yes ►

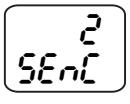
Press ▲ or ▼ to select the amount of time allowed before output shutoff. To save the value press ↵. Press ⟲ to go to the next item.

No ▼

Press ▼ to disable output shut off feature. To save the value press ↵. Press ⟲ to go to the next item.

Do you want the outputs disabled if the rate of change on the input is too fast?

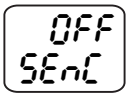
? Yes ►



Press ▲ or ▼ to select the maximum number of counts per second the input can move. To save the value press ↵.

Press ⟲ to go to the next item.

No ▼



Press ▼ to disable output shut off feature. To save the value press ↵. Press ⟲ to go to the next item.

Continued...

16A Series Programming Flow Chart

The Secure Menu (Continued)

Press ↵ to go to thenext item.

Do you want the outputs to be disabled on input failure?

? Yes ► 

Press ▲ to select FAIL to disable outputs on input failure.
To save the value press ↵. Press ↵ to go to the next item.

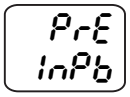
No ▼

Do you want the outputs to revert to the last good average output on input failure?

? Yes ► 

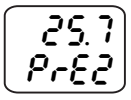
Press ▲ to select AVE to allow use of last average output on input failure.
To save the value press ↵. Press ↵ to go to the next item.

No ▼



Press ▲ to select PrE for preset percentage of output.
To save the value press ↵ Press ↵ to go to the next item.

Press ▲ or ▼ to select percentage of output required for SP1 outputs.
To save the value press ↵. Press ↵ to go to the next item.



Press ▲ or ▼ to select 100 (100% output required for on-off type outputs).
To save the value press ↵. Press ↵ to go to the next item.

Do you want the output used by the Auto / Manual function to be the actual output value?

? Yes ► 

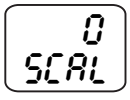
Press ▲ or ▼ to select actual output of control for Auto / Manual.
To save the value press ↵. Press ↵ to go to the next item.

No ▼

Press ▲ or ▼ to select 0 to 100% of the output adjusted between S#OL and S#OH.
To save the value press ↵. Press ↵ to go to the next item.

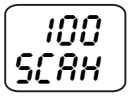
Press ▼ to disable output shut off feature.
To save the value press ↵ Press ↵ to go to the next item.

Have you selected a current or voltage input?

? Yes ► 

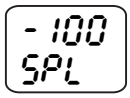
Press ▲ or ▼ to select scale value at the low end.
To save the value press ↵. Press ↵ to go to the next item.

No ▼



Press ▲ or ▼ to select scale value at the high end.
To save the value press ↵. Press ↵ to go to the next item.

Do you want to restrict set point settings below a certain point?

? Yes ► 

Press ▲ or ▼ to set the lowest allowed set point.
To save the value press ↵. Press ↵ to go to the next item.

No ▼

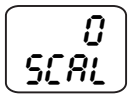
Press ↵ to go to the next item.

Continued...

16A Series Programming Flow Chart

The Secure Menu (Continued)

Have you selected a current or voltage input?

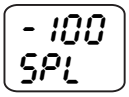
◇? Yes ► 

No ▽

Press ▲ or ▼ to select scale value at the low end.
To save the value press ↵. Press ⟲ to go to the next item.

Press ▲ or ▼ to select scale value at the high end.
To save the value press ↵. Press ⟲ to go to the next item.

Do you want to restrict set point settings below a certain point?

◇? Yes ► 

No ▽

Press ▲ or ▼ to set the lowest allowed set point.
To save the value press ↵. Press ⟲ to go to the next item.

Press ⟲ to go to the next item.

Do you want to restric tset point settings above a certain point?

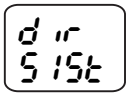
◇? Yes ► 

No ▽

Press ▲ or ▼ to set the highest allowed setpoint.
To save the value press ↵. Press ⟲ to go to the next item.

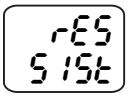
Press ⟲ to go to thenext item.

Is the SP1 output used for cooling?

◇? Yes ► 

No ▽

Press ▲ dir for cooling output (direct acting).
To save the value press ↵. Press ⟲ to go to the next item.

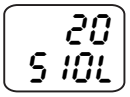


Press ▲ to select re for heating (reverse action).
To save the value press ↵ Press ⟲ to go to the next item.

Is Out1 in the Secondary Menu set to tP, PUL, or ProP?

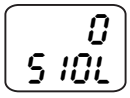
◇? Yes ► Is the control configured for proportional current output?

No ▽

◇? Yes ► 

No ▽

Press ▲ or ▼ to select the low limit of the output in percent.
To save the value press ↵. Press ⟲ to go to the next item.



Press ▲ or ▼ to select 0 (0% output required for on-off type outputs).
To save the value press ↵. Press ⟲ to go to the next item.

Is the control configured for proportional current output?

◇? Yes ► 

No ▽

Press ▲ or ▼ to select the high limit of the output in percent.
To save the value press ↵. Press ⟲ to go to the next item.

Press ▲ or ▼ to select 100 (100% output required for on-off type outputs).
To save the value press ↵. Press ⟲ to go to the next item.

Continued...

16A Series Programming Flow Chart

The Secure Menu (Continued)

Is Out1 in the Secondary Menu set to on-off?

? Yes ► Do you want the output to act as a limit?

No ▼

? Yes ► HoLd S1rE

Press ▲ or ▼ to select hold.

To save the value press ↵. Press ↻ to go to the next item.

No ▼

Do you want the output to limit on powerup?

? Yes ► OFF S1P1

Press ▲ or ▼ to select off.

To save the value press ↻.

Press ↵ to go to the next item.

No ▼

OFF S1P1

Press ▲ or ▼ to select off.

To save the value press ↵. Press ↻ to go to the next item.

Do you want the limit to be suppressed on powerup?

? Yes ► On S1iH

Press ▲ or ▼ toselecton.

To save the value press ↻.

Press ↵ to go to the next item.

No ▼

On S1iH

Press ▲ or ▼ to selecton.

To save the value press ↵. Press ↻ to go to the next item.

Do you want the SP1 lamp on the control to be lit when the output is on?

? Yes ► Oon S1LP

Press ▲ or ▼ to have the SP1 lamp turn on when the output is on.

To save the value press ↵. Press ↻ to go to the next item.

No ▼

DoFF S1LP

Press ▲ or ▼ to have the SP1 lamp off when the output is on (lamp on when output is off). To save the value press ↵. Press ↻ to go to the next item.

Is the control equipped with the second set point (SP2)?

? Yes ► Do you want SP2 to change when SP1 changes?

No ▼

? Yes ► dE S2t

Press ▲ or ▼ to have the SP2 change when SP1 changes.

To save the value press ↵. Press ↻ to go to the next item.

No ▼

AbS S2t

Press ▲ or ▼ to have the SP2 independant of SP1.

To save the value press ↵. Press ↻ to go to the next item.

Is the SP2 output used for cooling?

? Yes ► dir S2St

Press ▲ to select dir for cooling output (direct acting).

To save the value press ↵. Press ↻ to go to the next item.

No ▼

rE S2St

Press ▲ to select re for heating (reverse action).

To save the value press ↵. Press ↻ to go to the next item.

Continued...

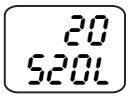
16A Series Programming Flow Chart

The Secure Menu (Continued)

Is Out2 in the Secondary Menu set to tP, PUL, or ProP?

? Yes ► Is the control configured for proportional current output?

No ▼

? Yes ► 

No ▼

Press ▲ or ▼ to select the low limit of the output in percent. To save the value press ↵.
Press ⟲ to go to the next item.

Press ▲ or ▼ to select 0 (0% output required for on-off type outputs). To save the value press ↵.
Press ⟲ to go to the next item.

Is the control configured for proportional current output?

? Yes ► 

No ▼

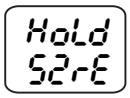
Press ▲ or ▼ to select the high limit of the output in percent. To save the value press ↵.
Press ⟲ to go to the next item.

Press ▲ or ▼ to select 100 (100% output required for on-off type outputs). To save the value press ↵.
Press ⟲ to go to the next item.

Is Out2 in the Secondary Menu set to on-off?

? Yes ► Do you want the output to act as a limit?

No ▼

? Yes ► 

No ▼

Press ▲ or ▼ to select hold.
To save the value press ↵.
Press ⟲ to go to the next item.

Doyou want the output to limit on power up?

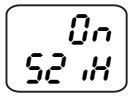
? Yes ► 

No ▼

Press ▲ or ▼ to select off.
To save the value press ↵.
Press ⟲ to go to the next item.

Press ▲ or ▼ to select off.
To save the value press ↵.
Press ⟲ to go to the next item.

Do you want the limit to be suppressed on power up?

? Yes ► 

No ▼

Press ▲ or ▼ to select on.
To save the value press ↵.
Press ⟲ to go to the next item.

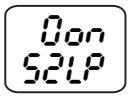
Press ▲ or ▼ to select off.
To save the value press ↵.
Press ⟲ to go to the next item.

Continued...

16A Series Programming Flow Chart

The Secure Menu (Continued)

Do you want the SP2 lamp on the control to be lit when the output is on?

? Yes ► 

No ▼

Press ▲ or ▼ to have the SP2 lamp turn on when the output is on. To save the value press ↵.
Press ⟲ to go to the next item.

Press ▲ or ▼ to have the SP lamp off when the output is on (lamp on when the output is off). To save the value press ↵.
Press ⟲ to go to the next item.

Is the control equipped with alarms?

? Yes ► Do you want to disable alarm 1?

No ▼

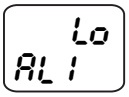
? Yes ► 

No ▼

Press ▲ or ▼ to change the value to OFF.
To save the value press ↵.
Press ⟲ to go to the next item, AL2 on Page 12.

End of Menu.

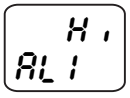
Do you want alarm 1 to act as a low alarm?

? Yes ► 

No ▼

Press ▲ or ▼ to change the value to Lo.
To save the value press ↵. Press ⟲ to go to the next item.

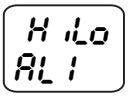
Do you want alarm 1 to act as a high alarm?

? Yes ► 

No ▼

Press ▲ or ▼ to change the value to Hi.
To save the value press ↵. Press ⟲ to go to the next item.

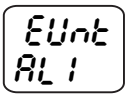
Do you want alarm 1 to act as both a low and high alarm?

? Yes ► 

No ▼

Press ▲ or ▼ to change the value to HiLo.
To save the value press ↵. Press ⟲ to go to the next item.

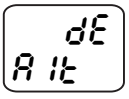
Do you want alarm 1 to act as a ramp/soak event?

? Yes ► 

No ▼

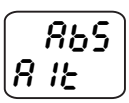
Press ▲ or ▼ to change the value to HiLo.
To save the value press ↵. Press ⟲ to go to the next item.

Do you want alarm 1 to track (follow) the set point (SP1)?

? Yes ► 

No ▼

Press ▲ or ▼ to select dE (deviation or tracking) alarm.
To save the value press ↵. Press ⟲ to go to the next item.



Press ▲ or ▼ to select AbS (absolute) alarm.
To save the value press ↵. Press ⟲ to go to the next item.

Continued...

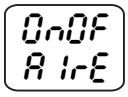
16A Series Programming Flow Chart

The Secure Menu (Continued)

Do you want alarm 1 to HoLd (limit) when it trips?

? Yes ► 

Press ▲ or ▼ to select HoLd (or limit) when the alarm trips.
To save the value press ↵. Press ⟲ to go to the next item.

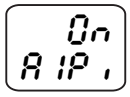
No ▼ 

Press ▲ or ▼ to select OnOF (automatic reset).
To save the value press ↵ Press ⟲ to go to the next item.

If the power goes off, when it is restored do you want alarm 1 to turn on?

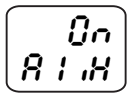
? Yes ► 

Press ▲ or ▼ to select OFF to force the alarm on power up.
To save the value press ↵. Press ⟲ to go to the next item.

No ▼ 

Press ▲ or ▼ to select On to reset the alarm on power up.
To save the value press ↵. Press ⟲ to go to the next item.

Do you want to inhibit (suppress) alarm 1 on start up?

? Yes ► 

Press ▲ or ▼ to select On to inhibit the alarm on power up.
To save the value press ↵. Press ⟲ to go to the next item.

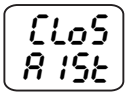
No ▼ 

Press ▲ or ▼ to select OFF to allow the alarm on power up.
To save the value press ↵ Press ⟲ to go to the next item.

Do you want to the alarm 1 contact to open when alarm 1 is on?

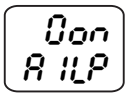
? Yes ► 

Press ▲ or ▼ to select the alarm to OPEn on alarm.
To save the value press ↵. Press ⟲ to go to the next item.

No ▼ 

Press ▲ or ▼ to select the alarm to CLoS (close) on alarm.
To save the value press ↵. Press ⟲ to go to the next item.

Do you want the alarm 1 lamp to light when alarm 1 contact closes?

? Yes ► 

Press ▲ or ▼ to select lamp on when the contact is closed.
To save the value press ↵.

No ▼ 

Press ▲ or ▼ to select lamp off when the contact is made.
To save the value press ↵.

Do you want the Loop Break function to turn on the alarm?

? Yes ► 

Press ▲ or ▼ to enable the alarm on a loop break error.
To save the value press ↵.

No ▼ 

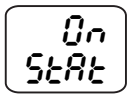
Press ▲ or ▼ to have the alarm ignore a loop break error.
To save the value press ↵.

End of Secure Menu

16A Series Programming Flow Chart

This is a continuation of the Secondary Menu when PSEt is set to on.

Do you want to access the ramp soak information from the Primary Menu?

? Yes ► 

Press ▲ or ▼ to select on.
To save the value press ↵. Press ⟲ to go to the next item.

No ▼ 

Press ▲ or ▼ to select off.
To save the value press ↵. Press ⟲ to go to the next item.

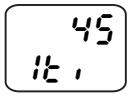
Do you want the segment times to be in seconds?

? Yes ► 

Press ▲ or ▼ to select 1 second time base (seconds).
To save the value press ↵. Press ⟲ to go to the next item.

No ▼ 

Press ▲ or ▼ to select 60 second time base (minutes).
To save the value press ↵. Press ⟲ to go to the next item.

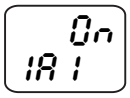


Press ▲ or ▼ to select time desired for segment 1.
To save the value press ↵. Press ⟲ to go to the next item.

Press ▲ or ▼ to select value for set point 1 (SP1) desired for segment 1.
To save the value press ↵. Press ⟲ to go to the next item.

Is AL1 programmed as an event alarm?

? Yes ► Is AL1 programmed as an event alarm?

No ▼ ? Yes ► 

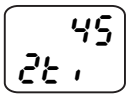
Press ▲ or ▼ to select alarm 1 on during segment 1.
To save the value press ↵. Press ⟲ to go to the next item.

No ▼ 

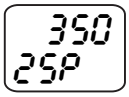
Press ▲ or ▼ to select alarm 1 off during segment 1.
To save the value press ↵. Press ⟲.

Continued...

16A Series Programming Flow Chart



Press ▲ or ▼ to select time desired for segment 2.
To save the value press ↵. Press ⟲ to go to the next item.

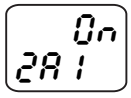


Press ▲ or ▼ to select value for set point 1 (SP1) desired for segment 2.
To save the value press ↵. Press ⟲ to go to the next item.

Is AL1 programmed as an event alarm?

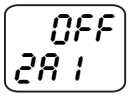
◇? Yes ► Is AL1 programmed as an event alarm?

No ▼

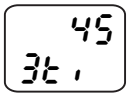
◇? Yes ► 

Press ▲ or ▼ to select alarm 1 on during segment 2.
To save the value press ↵. Press ⟲ to go to the next item.

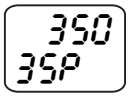
No ▼



Press ▲ or ▼ to select alarm 1 off during segment 2.
To save the value press ↵. Press ⟲.



Press ▲ or ▼ to select time desired for segment 3.
To save the value press ↵ Press ⟲ to go to the next item.

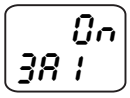


Press ▲ or ▼ to select value for set point 1 (SP1) desired for segment 3.
To save the value press ↵. Press ⟲ to go to the next item.

Is AL1 programmed as an event alarm?

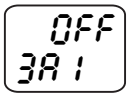
◇? Yes ► Is AL1 programmed as an event alarm?

No ▼

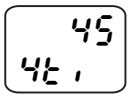
◇? Yes ► 

Press ▲ or ▼ to select alarm 1 on during segment 3.
To save the value press ↵. Press ⟲ to go to the next item.

No ▼



Press ▲ or ▼ to select alarm 1 off during segment 3.
To save the value press ↵. Press ⟲.



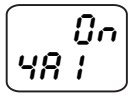
Press ▲ or ▼ to select time desired for segment 4.
To save the value press ↵ Press ⟲ to go to the next item.

Press ▲ or ▼ to select value for set point 1 (SP1) desired for segment 4.
To save the value press ↵. Press ⟲ to go to the next item.

Is AL1 programmed as an event alarm?

◇? Yes ► Is AL1 programmed as an event alarm?

No ▼

◇? Yes ► 

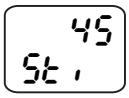
Press ▲ or ▼ to select alarm 1 on during segment 4.
To save the value press ↵. Press ⟲ to go to the next item.

No ▼

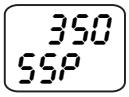
Press ▲ or ▼ to select alarm 1 off during segment 4.
To save the value press ↵. Press ⟲.

Continued...

16A Series Programming Flow Chart



Press ▲ or ▼ to select time desired for segment 5.
To save the value press ↵. Press ⟲ to go to the next item.

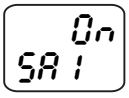


Press ▲ or ▼ to select value for set point 1 (SP1) desired for segment 5.
To save the value press ↵. Press ⟲ to go to the next item.

Is AL1 programmed as an event alarm?

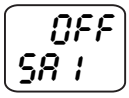
◇? Yes ► Is AL1 programmed as an event alarm?

No ▼

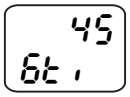
◇? Yes ► 

Press ▲ or ▼ to select alarm 1 on during segment 5.
To save the value press ↵. Press ⟲ to go to the next item.

No ▼



Press ▲ or ▼ to select alarm 1 off during segment 5.
To save the value press ↵. Press ⟲.



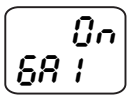
Press ▲ or ▼ to select time desired for segment 6.
To save the value press ↵ Press ⟲ to go to the next item.

Press ▲ or ▼ to select value for set point 1 (SP1) desired for segment 6.
To save the value press ↵. Press ⟲ to go to the next item.

Is AL1 programmed as an event alarm?

◇? Yes ► Is AL1 programmed as an event alarm?

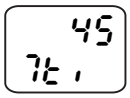
No ▼

◇? Yes ► 

Press ▲ or ▼ to select alarm 1 on during segment 6.
To save the value press ↵. Press ⟲ to go to the next item.

No ▼

Press ▲ or ▼ to select alarm 1 off during segment 6.
To save the value press ↵. Press ⟲.



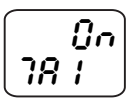
Press ▲ or ▼ to select time desired for segment 7.
To save the value press ↵ Press ⟲ to go to the next item.

Press ▲ or ▼ to select value for set point 1 (SP1) desired for segment 7.
To save the value press ↵. Press ⟲ to go to the next item.

Is AL1 programmed as an event alarm?

◇? Yes ► Is AL1 programmed as an event alarm?

No ▼

◇? Yes ► 

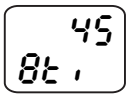
Press ▲ or ▼ to select alarm 1 on during segment 7.
To save the value press ↵. Press ⟲ to go to the next item.

No ▼

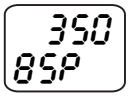
Press ▲ or ▼ to select alarm 1 off during segment 7.
To save the value press ↵. Press ⟲.

Continued...

16A Series Programming Flow Chart



Press ▲ or ▼ to select time desired for segment 8.
To save the value press ↵. Press ⟲ to go to the next item.

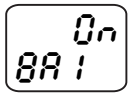


Press ▲ or ▼ to select value for set point 1 (SP1) desired for segment 8.
To save the value press ↵. Press ⟲ to go to the next item.

Is AL1 programmed as an event alarm?

◇? Yes ► Is AL1 programmed as an event alarm?

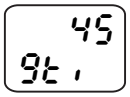
No ▼

◇? Yes ► 

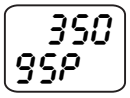
Press ▲ or ▼ to select alarm 1 on during segment 8.
To save the value press ↵. Press ⟲ to go to the next item.

No ▼

Press ▲ or ▼ to select alarm 1 off during segment 8.
To save the value press ↵. Press ⟲.



Press ▲ or ▼ to select time desired for segment 9.
To save the value press ↵ Press ⟲ to go to the next item.

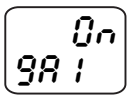


Press ▲ or ▼ to select value for set point 1 (SP1) desired for segment 9.
To save the value press ↵. Press ⟲ to go to the next item.

Is AL1 programmed as an event alarm?

◇? Yes ► Is AL1 programmed as an event alarm?

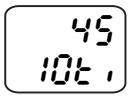
No ▼

◇? Yes ► 

Press ▲ or ▼ to select alarm 1 on during segment 9.
To save the value press ↵. Press ⟲ to go to the next item.

No ▼

Press ▲ or ▼ to select alarm 1 off during segment 9.
To save the value press ↵. Press ⟲.



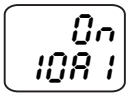
Press ▲ or ▼ to select time desired for segment 10.
To save the value press ↵ Press ⟲ to go to the next item.

Press ▲ or ▼ to select value for set point 1 (SP1) desired for segment 10.
To save the value press ↵. Press ⟲ to go to the next item.

Is AL1 programmed as an event alarm?

◇? Yes ► Is AL1 programmed as an event alarm?

No ▼

◇? Yes ► 

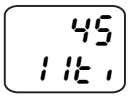
Press ▲ or ▼ to select alarm 1 on during segment 10.
To save the value press ↵. Press ⟲ to go to the next item.

No ▼

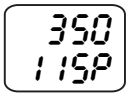
Press ▲ or ▼ to select alarm 1 off during segment 10.
To save the value press ↵. Press ⟲.

Continued...

16A Series Programming Flow Chart



Press ▲ or ▼ to select time desired for segment 11.
To save the value press ↵. Press ⟲ to go to the next item.



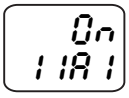
Press ▲ or ▼ to select value for set point 1 (SP1) desired for segment 11.
To save the value press ↵. Press ⟲ to go to the next item.

Is AL1 programmed as an event alarm?

◇? Yes ► Is AL1 programmed as an event alarm?

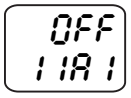
No ▼

◇? Yes ►

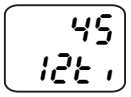


Press ▲ or ▼ to select alarm 1 on during segment 11.
To save the value press ↵. Press ⟲ to go to the next item.

No ▼



Press ▲ or ▼ to select alarm 1 off during segment 11.
To save the value press ↵. Press ⟲.



Press ▲ or ▼ to select time desired for segment 12.
To save the value press ↵ Press ⟲ to go to the next item.

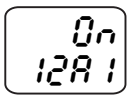
Press ▲ or ▼ to select value for set point 1 (SP1) desired for segment 12.
To save the value press ↵. Press ⟲ to go to the next item.

Is AL1 programmed as an event alarm?

◇? Yes ► Is AL1 programmed as an event alarm?

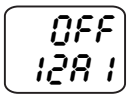
No ▼

◇? Yes ►

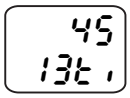


Press ▲ or ▼ to select alarm 1 on during segment 12.
To save the value press ↵. Press ⟲ to go to the next item.

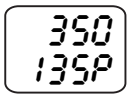
No ▼



Press ▲ or ▼ to select alarm 1 off during segment 12.
To save the value press ↵. Press ⟲.



Press ▲ or ▼ to select time desired for segment 13.
To save the value press ↵ Press ⟲ to go to the next item.



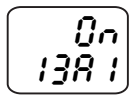
Press ▲ or ▼ to select value for set point 1 (SP1) desired for segment 13.
To save the value press ↵. Press ⟲ to go to the next item.

Is AL1 programmed as an event alarm?

◇? Yes ► Is AL1 programmed as an event alarm?

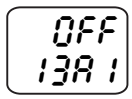
No ▼

◇? Yes ►



Press ▲ or ▼ to select alarm 1 on during segment 13.
To save the value press ↵. Press ⟲ to go to the next item.

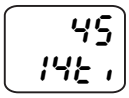
No ▼



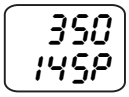
Press ▲ or ▼ to select alarm 1 off during segment 13.
To save the value press ↵. Press ⟲.

Continued...

16A Series Programming Flow Chart



Press ▲ or ▼ to select time desired for segment 14.
To save the value press ↵. Press ⟲ to go to the next item.

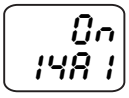


Press ▲ or ▼ to select value for set point 1 (SP1) desired for segment 14.
To save the value press ↵. Press ⟲ to go to the next item.

Is AL1 programmed as an event alarm?

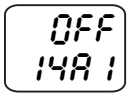
◇? Yes ► Is AL1 programmed as an event alarm?

No ▼

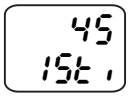
◇? Yes ► 

Press ▲ or ▼ to select alarm 1 on during segment 14.
To save the value press ↵. Press ⟲ to go to the next item.

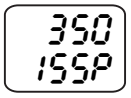
No ▼



Press ▲ or ▼ to select alarm 1 off during segment 14.
To save the value press ↵. Press ⟲.



Press ▲ or ▼ to select time desired for segment 15.
To save the value press ↵ Press ⟲ to go to the next item.

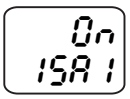


Press ▲ or ▼ to select value for set point 1 (SP1) desired for segment 15.
To save the value press ↵. Press ⟲ to go to the next item.

Is AL1 programmed as an event alarm?

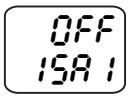
◇? Yes ► Is AL1 programmed as an event alarm?

No ▼

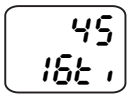
◇? Yes ► 

Press ▲ or ▼ to select alarm 1 on during segment 15.
To save the value press ↵. Press ⟲ to go to the next item.

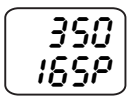
No ▼



Press ▲ or ▼ to select alarm 1 off during segment 15.
To save the value press ↵. Press ⟲.



Press ▲ or ▼ to select time desired for segment 16.
To save the value press ↵ Press ⟲ to go to the next item.

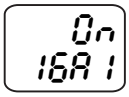


Press ▲ or ▼ to select value for set point 1 (SP1) desired for segment 16.
To save the value press ↵. Press ⟲ to go to the next item.

Is AL1 programmed as an event alarm?

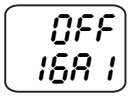
◇? Yes ► Is AL1 programmed as an event alarm?

No ▼

◇? Yes ► 

Press ▲ or ▼ to select alarm 1 on during segment 16.
To save the value press ↵. Press ⟲ to go to the next item.

No ▼



Press ▲ or ▼ to select alarm 1 off during segment 16.
To save the value press ↵. Press ⟲.

Continued...

16A Series Programming Flow Chart

The Secondary Menu (Continued)

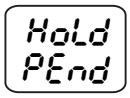
Do you want the program to repeat?

? Yes ► 

Press ▲ or ▼ to select continual repeat of program.
To save the value press ↵.

No ▼

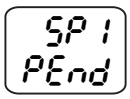
Do you want the program to hold the temperature set for segment 16?

? Yes ► 

Press ▲ or ▼ to hold the 16SP value.
To save the value press ↵.

No ▼

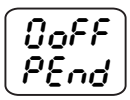
Do you want the program to revert to the temperature set by set point 1 (SP1)?

? Yes ► 

Press ▲ or ▼ to hold the SP1 value.
To save the value press ↵.

No ▼

Do you want the program to turn the output(s) off at the end of the program?

? Yes ► 

Press ▲ or ▼ to turn the outputs off.
To save the value press ↵.

No ▼

This is the end of the programmer section of the Secondary Menu.

Press ⟲ to go to the next item, InPC.